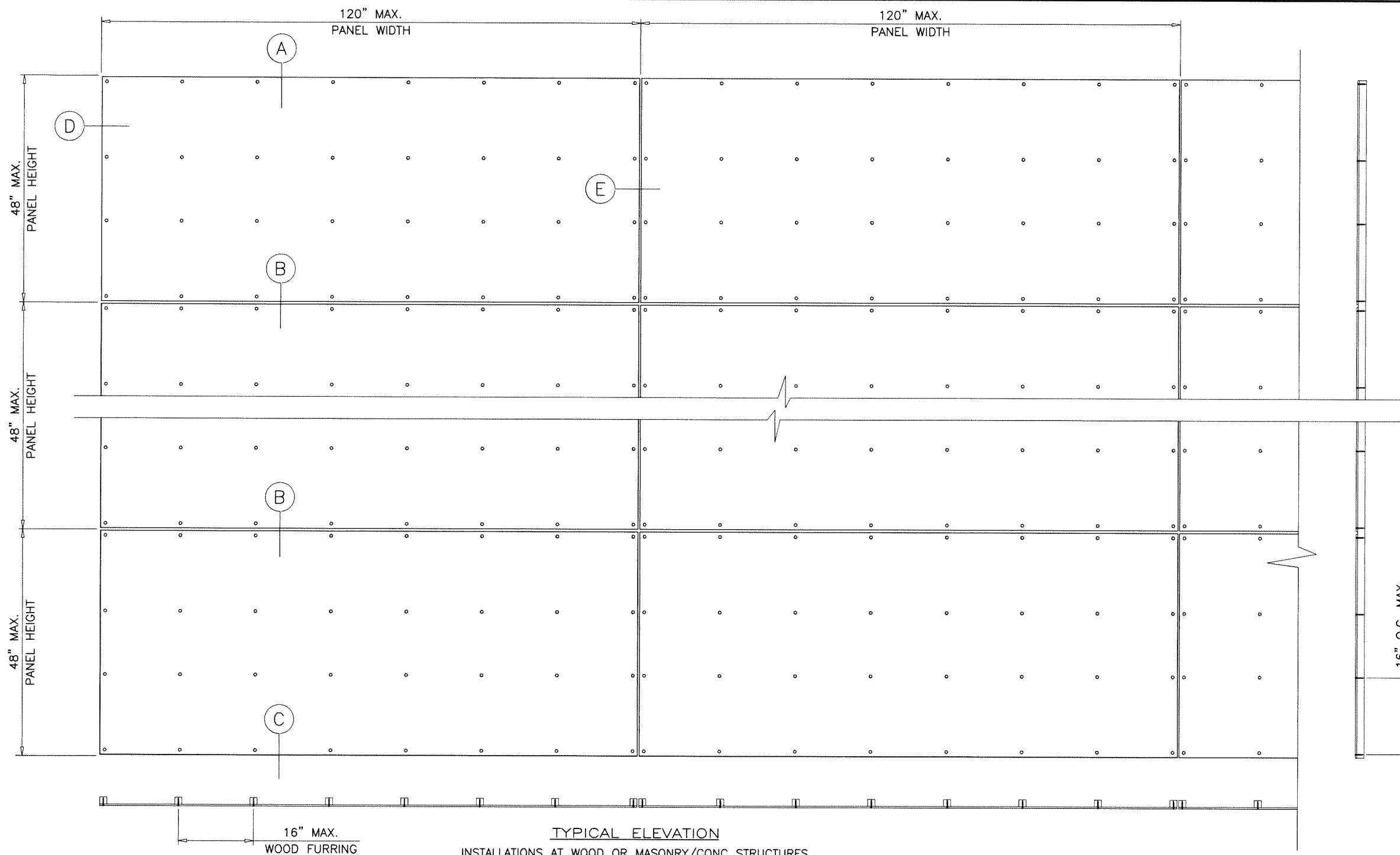




TYPICAL ELEVATION

INSTALLATIONS AT WOOD OR MASONRY/CONC STRUCTURES
USING 2X2 WOOD FURRING

RAINSCREEN CLADDING SYSTEM

FIBER CEMENT PANELS ANCHORED TO SHEAR WALLS AS
EXTERIOR CLADDING.

APPROVAL APPLIES TO SINGLE UNITS OR MULTIPLE
UNITS INSTALLATIONS

MAX. DESIGN LOADS:

AFC Blast = ± 70.0 PSF
AFC Groove = ± 70.0 PSF
AFC Matte = ± 70.0 PSF
AFC Surface = ± 66.8 PSF
AFC Stone = ± 64.6 PSF
AFC Core = ± 63.6 PSF
AFC Rustic = ± 70.0 PSF

MIN. PANEL THICKNESS = 5/16 IN.

MAX. PANEL SIZE= 48" HIGH X 120" WIDE

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE 2020 (7TH EDITION)/2023 (8TH EDITION) FLORIDA
BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS
AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE
MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

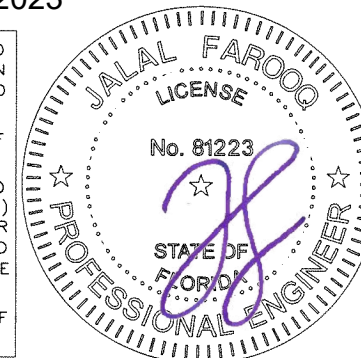
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT
COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE
REQUIREMENTS OF THE 2020/2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION
FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY
OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR
WATER INFILTRATION RESISTANCE ETC.
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY,
AND TO BE REVIEWED BY BUILDING OFFICIAL.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

- A- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND
INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION
PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED
ON THIS DOCUMENT.
- B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF
ALTERED BY ANY MEANS.
- C- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED
ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.)
FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER
USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED
ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE
SPECIFIC DRAWINGS FOR REVIEW.
- D- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF
THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

Sealed:8/1/2023 FL #14677



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978

FIBER CEMENT RAINSCREEN CLADDING SYSTEM

American Fiber Cement Corporation
6901 South Pierce Street, Suite 180
Littleton, CO. 80128
Tel. (303) 978-1199 Fax. (303) 978-0308

revisions:	no	date	description
	A	05.04.21	GENERAL REVISION
	B	03.15.22	CEMBRIT DECO ADDED
	C	07.27.23	UPDATED TO 2023 FBC

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chk. by:	

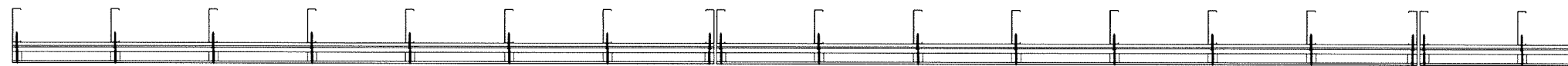
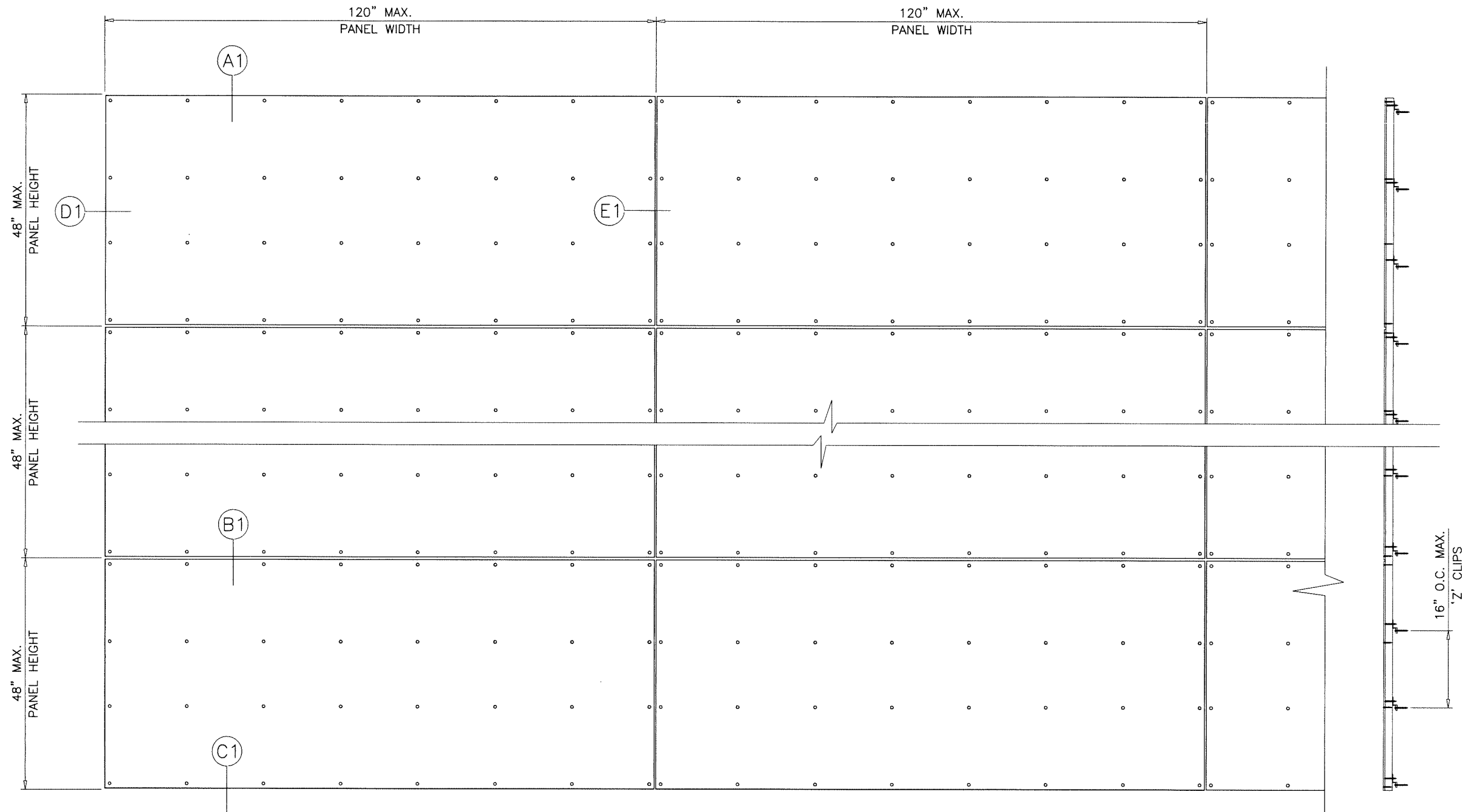
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sheet 1 of 13

a f c

STORE\11-02-AFC



TYPICAL ELEVATION
 INSTALLATION AT STEEL STUD FRAMING SYSTEM
 USING 2X2 WOOD FURRING & 'Z' CLIPS

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no	date	by	description

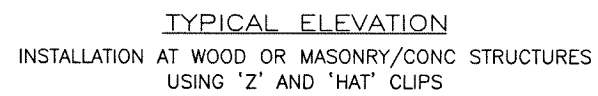
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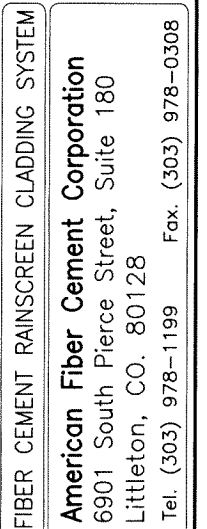
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sheet 2 of 13

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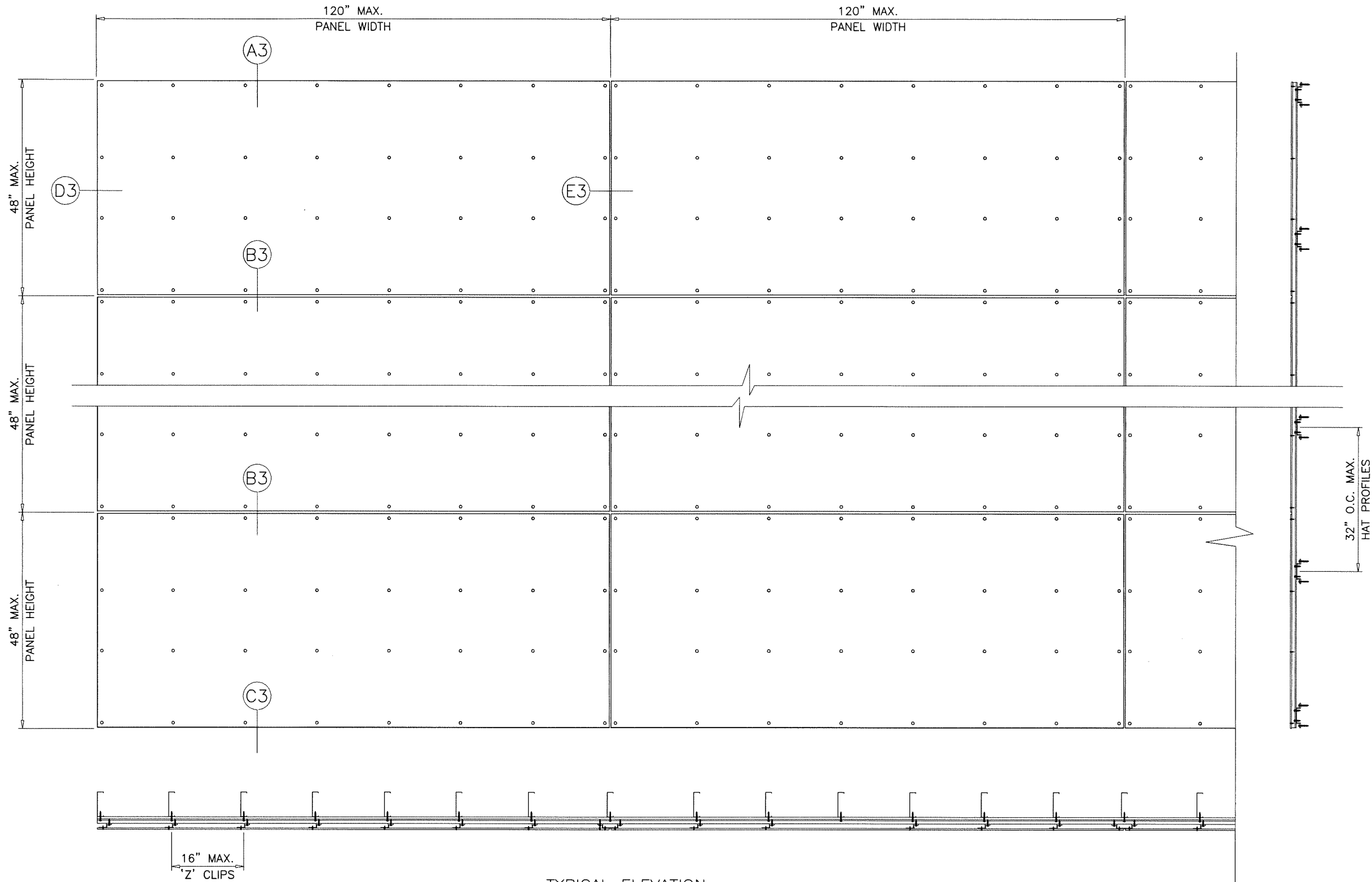
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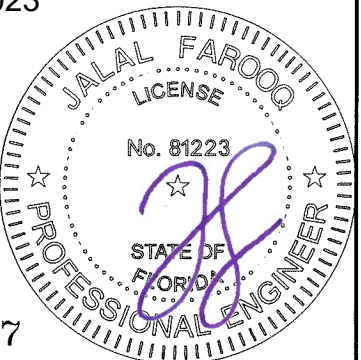
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TYPICAL ELEVATION
 INSTALLATION AT STEEL STUD FRAMING SYSTEM
 USING 'Z' AND 'HAT' CLIPS

Sealed:8/1/2023



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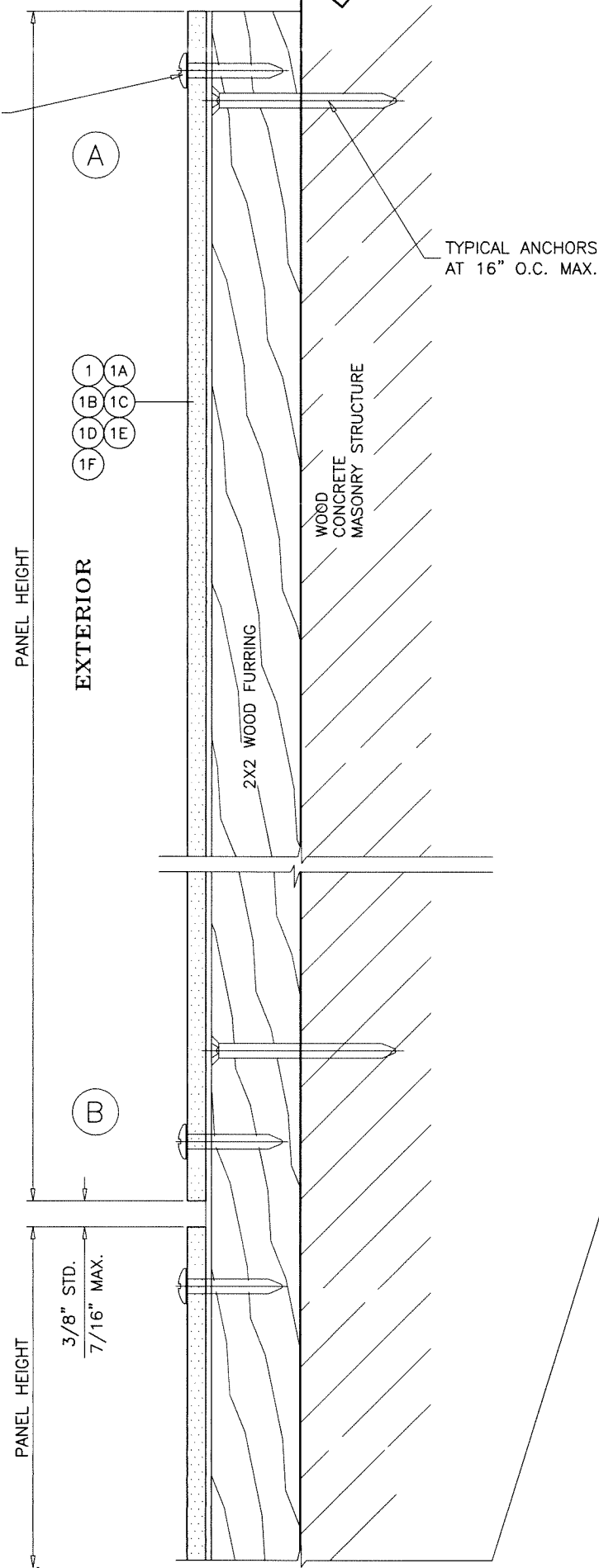
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 dr. by: TARIQ
 chk. by:

drawing no.
11-02
 sheet 4 of 13

#12 SMS
AT 1" FROM ENDS
AND 16" O.C. MAX.



TYPICAL ANCHORS
AT 16" O.C. MAX.

1 1A
1B 1C
1D 1E
1F

EXTERIOR

2X2 WOOD FURRING

WOOD
CONCRETE
MASONRY STRUCTURE

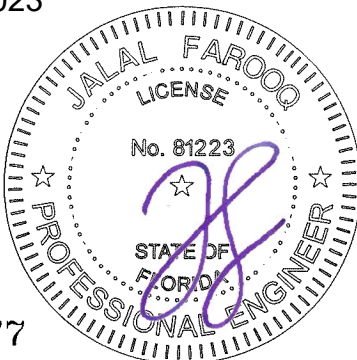
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2X2 WOOD FURRING

TYPICAL ANCHORS: SEE ELEV. FOR SPACING
1/4" DIA. ULTRAACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
INTO WOOD STRUCTURES
1-3/8" MIN. PENETRATION INTO WOOD
DIRECTLY INTO CONCRETE OR BLOCKS
1-1/4" MIN. EMBED INTO CONCRETE OR BLOCKS
CRITICAL EDGE DISTANCE
INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.

WOOD SG = 0.55 MIN.
CONCRETE f'c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK f'm = 2000 PSI MIN.

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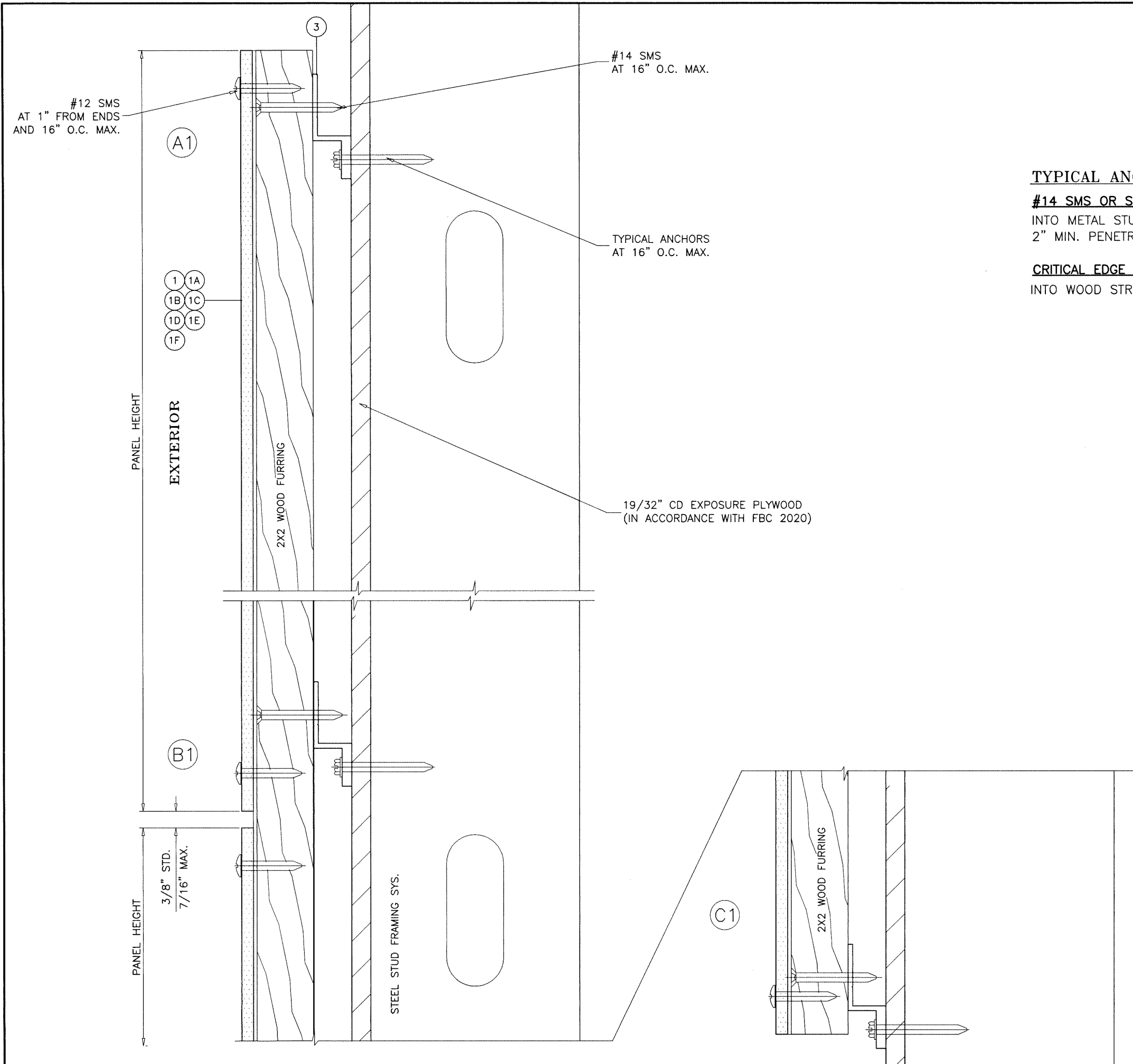
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chk. by:

drawing no.
11-02
sheet 5 of 13

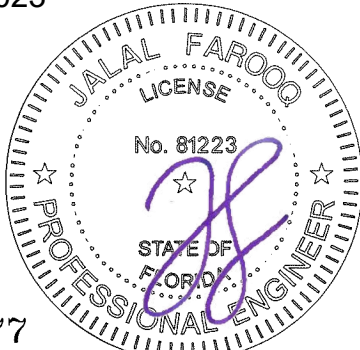


TYPICAL ANCHORS:
#14 SMS OR SELF-DRILLING SCREWS (GRADE 2 CRS)
INTO METAL STUDS WITH WOOD BACKING
2" MIN. PENETRATION INTO WOOD BACKING

CRITICAL EDGE DISTANCE
INTO WOOD STRUCTURE = 1" MIN.

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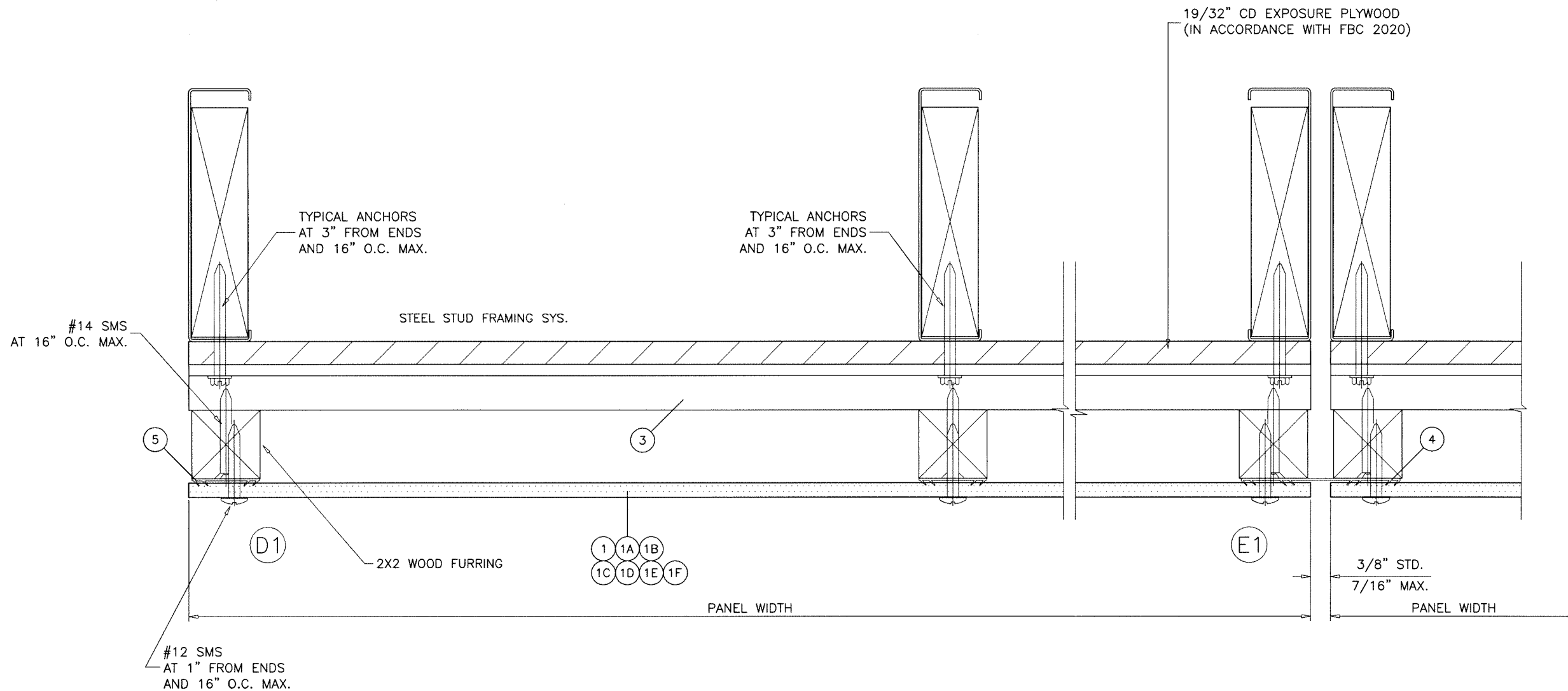
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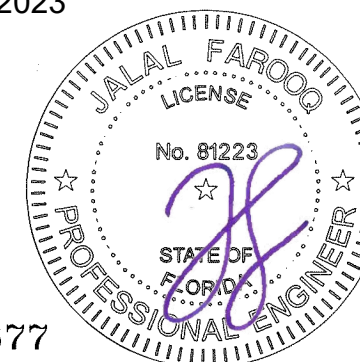
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drawing no.	11-02
sheet	7 of 13

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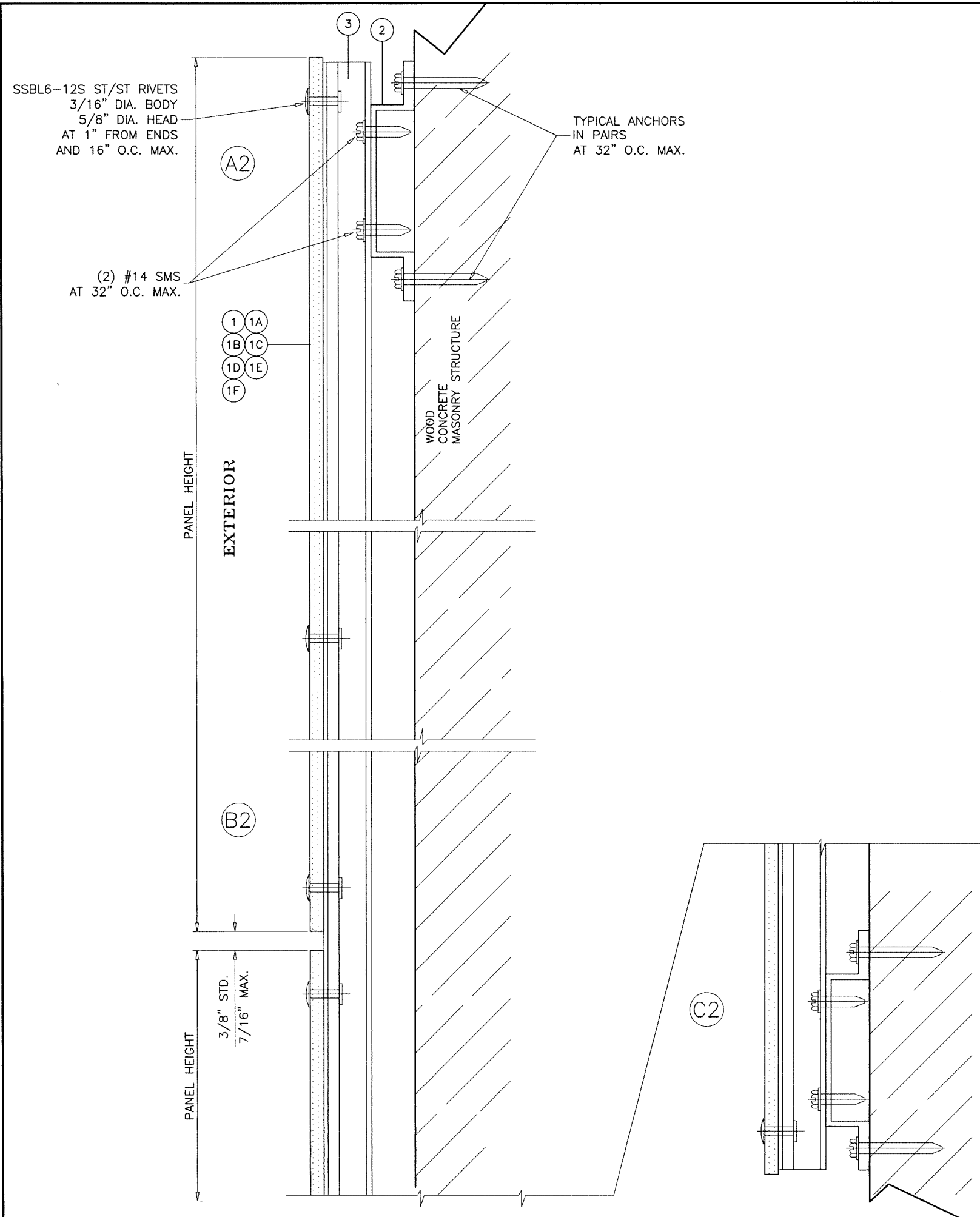
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sheet 8 of 13

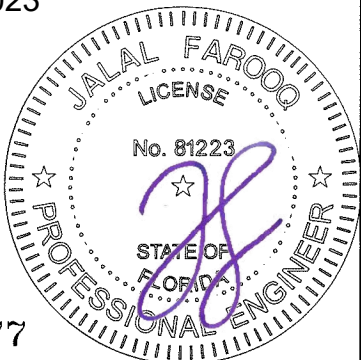


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1/4" DIA. ULTRA-CON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
 INTO WOOD STRUCTURES
 1-3/8" MIN. PENETRATION INTO WOOD
 DIRECTLY INTO CONCRETE OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE OR BLOCKS

CRITICAL EDGE DISTANCE
 INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.

WOOD SG = 0.55 MIN.
 CONCRETE f'c = 3000 PSI MIN.
 C-90 HOLLOW/FILLED BLOCK f'm = 2000 PSI MIN.

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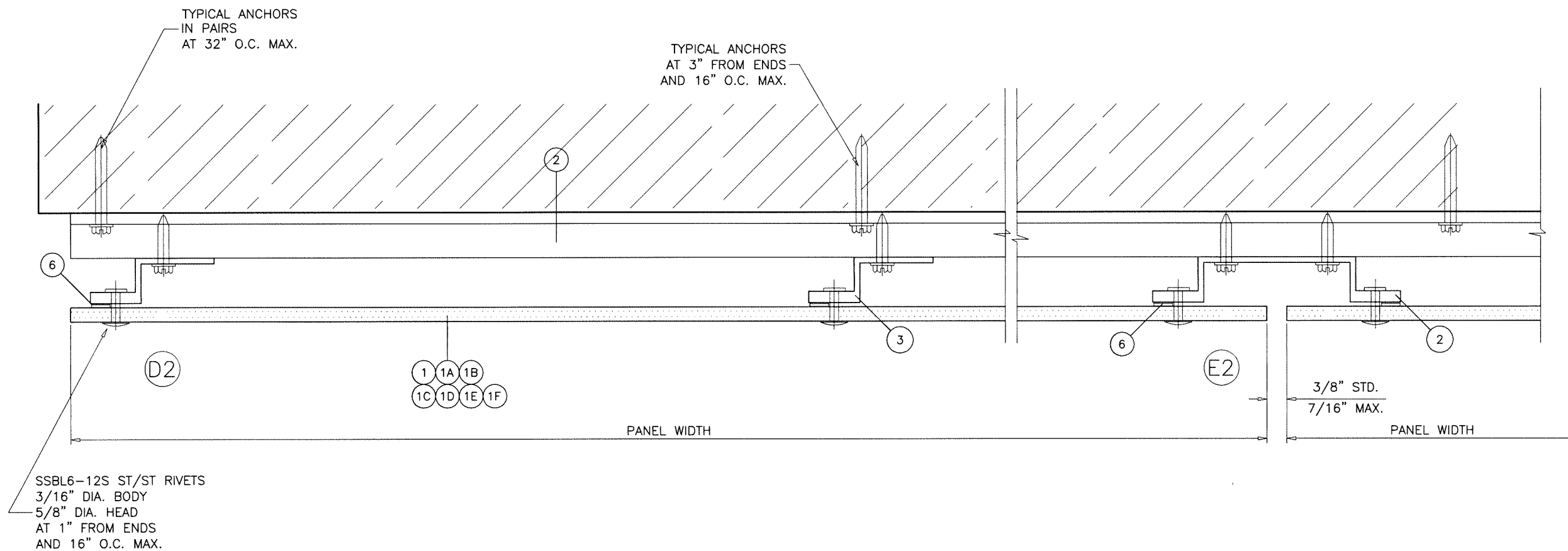
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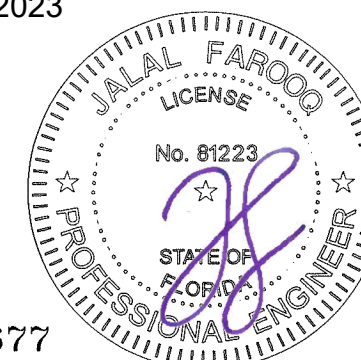
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drawing no.
11-02
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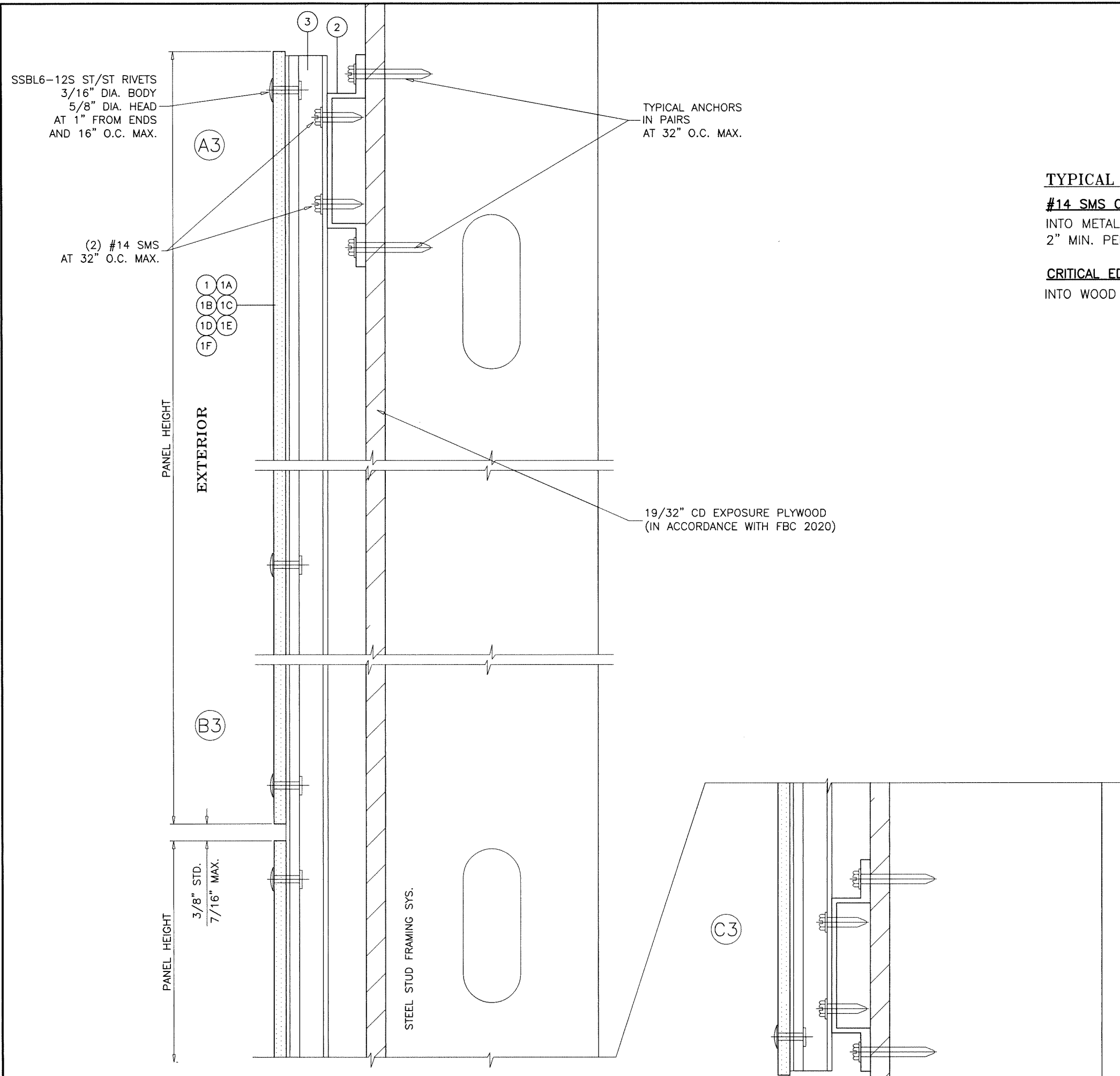
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chk. by:

drawing no.
11-02
sheet 10 of 13



TYPICAL ANCHORS:
#14 SMS OR SELF-DRILLING SCREWS (GRADE 2 CRS)
INTO METAL STUDS WITH WOOD BACKING
2" MIN. PENETRATION INTO WOOD BACKING

CRITICAL EDGE DISTANCE
INTO WOOD STRUCTURE = 1" MIN.

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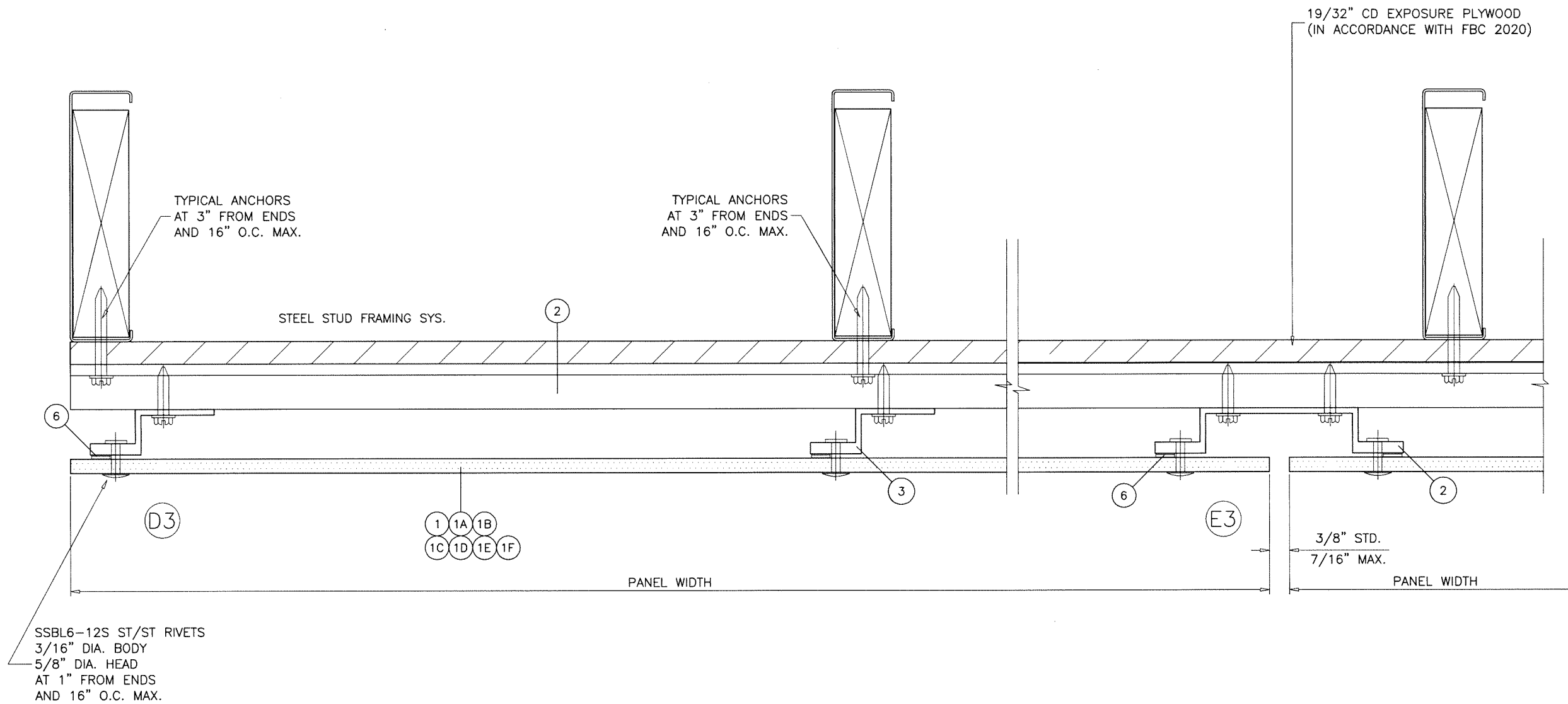
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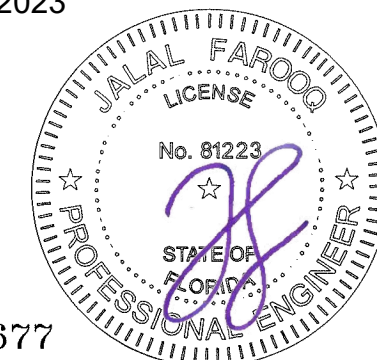
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sheet 11 of 13



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FL #14677

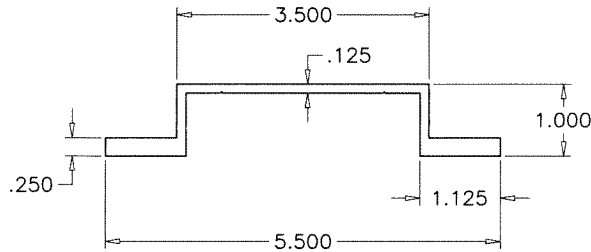
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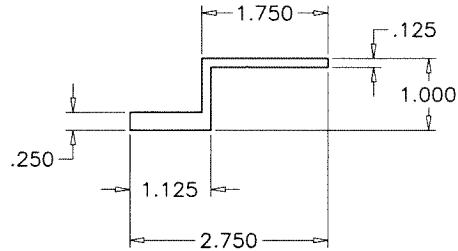
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drawing no.
11-02
sheet 12 of 13



2 HAT PROFILE



3 Z PROFILE

ITEM NO.	WEIGHT	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	2.54 Lbs/Sq. Ft.	AS REQD.	CLADDING PANELS (AFC Blast)	FIBER CEMENT	—
1A	2.89 Lbs/Sq. Ft.	AS REQD.	CLADDING PANELS (AFC Groove)	FIBER CEMENT	—
1B	3.15 Lbs/Sq. Ft.	AS REQD.	CLADDING PANELS (AFC Matte)	FIBER CEMENT	—
1C	2.91 Lbs/Sq. Ft.	AS REQD.	CLADDING PANELS (AFC Surface)	FIBER CEMENT	—
1D	2.54 Lbs/Sq. Ft.	AS REQD.	CLADDING PANELS (AFC Stone)	FIBER CEMENT	—
1E	3.20 Lbs/Sq. Ft.	AS REQD.	CLADDING PANELS (AFC Core)	FIBER CEMENT	—
1F	2.56 Lbs/Sq. Ft.	AS REQD.	CLADDING PANELS (AFC Rustic)	FIBER CEMENT	—
2	—	AS REQD.	HAT PROFILE	6063-T6	—
3	—	AS REQD.	Z PROFILE	6063-T6	—
4	—	AS REQD.	RUBBER STRIP	EPDM	—
5	—	AS REQD.	RUBBER STRIP	EPDM	—
6	—	AS REQD.	FOAM TAPE	FOAM	—

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